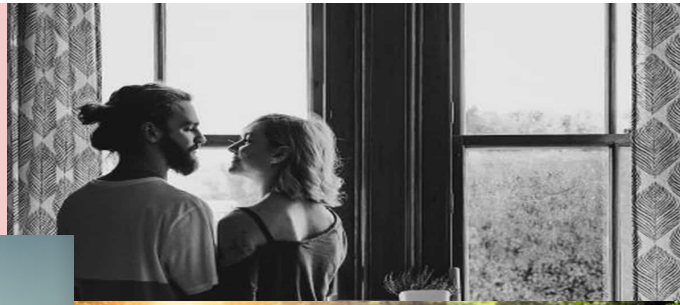
Match Finder



Team Members

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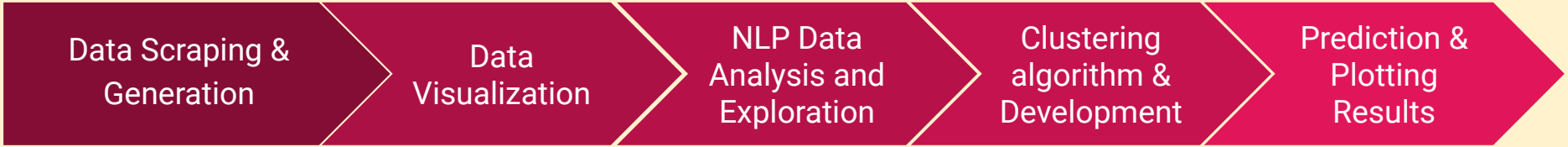
Description of the problem

- To develop a Machine Learning algorithm for generating connections between people who share synonymous interests by analyzing user biographies collected from various sources and predicting the top profiles which match the users' interests.

- This algorithm will help all like-minded people to connect from all over the world in profound ways.

Milestones



We will scrape and collect the data from profile generator website.

The collected data will be visualized and analyzed and the noise will be removed if any.

NLTK tools will be used to normalize the data.

Various machine learning algorithms will be implemented on the data to categorize the individual's interests into clusters.

Various predictions will be made after implementation of algorithm and the results will be plotted.

Relevant Papers

- Online Dating/Dating Apps - March 2018
  Authors - Vladimir Santiago Arias, Narissra Maria Punyanunt-Carter

- Dating Apps - October 2019
  Authors - Treena Orchard

- A study of hierarchical clustering algorithms - 2015
  Authors - Sakshi Patel, Shivani Sihmar, Aman Jatain

- Systematic Review: A State of Art ML Based Clustering Algorithms for Data Mining - 2020
  Authors -Amjad Ali, Zaid Bin Faheem, Muhammad Waseem, Umar Draz, Zanab Safdar, Shafiq Hussain, Sana Yaseen

Description of the data you plan to use

- The data will be fetched from any Fake Profile generator website.
- The data contains hobbies and interests of particular individual.
- Example:

  "Total web guru. Creator. Award-winning travel evangelist. Bacon fan. Introvert. Beer advocate. Coffee maven."